

<p>98-052938/06 E17 J04 CHPE- 95.06.14  CHINA PETRO CHEM CORP *CN 1138018-A  95.06.14 95CN-106348 (96.12.18) C07C 29/00, B01J 23/06, 23/26,  23/34  Catalyst for preparation of specified butane:diol by gas-phase  hydrogenation  C98-018279  Addnl. Data: WANG H, TONG L, ZHANG X</p>	<p>E(10-E4B) J(4-E4B) N(2-D1, 3-B2, 3-D1, 3-E)</p>
<p>A catalyst for preparing 1,4-butanediol by gas-phase hydrogenating  maleic anhydride and/or its ester has the formula of <math>\text{CuCr}_a\text{Mn}_b\text{Zn}_c\text{O}_x</math>,  where <math>a=0.8-1.5</math>, <math>b=0.05-0.8</math>, <math>c=0.05-1</math> and <math>x</math> is the number of oxygen  atoms needed for satisfying the atom valences of metals. When the  volume space speed of the gas is up to 70/hr, the transform rate of  anhydride and/or its ester is up to 99 % or more and the selectivity of  1,4-butanediol is up to 80 mol % or more.  (9ppDwgNo.0/0)</p>	<p>CN 1138018-A</p>